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CLAIMS

A polypeptide of formula (1):

 $X^{1a}-X^{Ar1}-X^{2a}-X^{Ar2a}-X^3$, (SEQ ID NO:7) wherein:

X13 is an amino terminal or a sequence of from 1 to 4 amino acids;

XAr1 is an aromatic amino acid;

X^{2a} is from two to four amino acids;

XAr2 is an aromatic amino acid; and

- X^{3a} is a carboxy terminal or a sequence of from one to four 10 amino acids.
 - A polypeptide according to claim 1 wherein: 2. X13 is an amino terminal or a sequence of from 1 to 4 amino acids;
- XAr1 is F or W; X2a is from two to four amino acids; XAr2 is F or W; and X^{3a} is a carboxy terminal or a sequence of from one to four amino acids.
- A polypeptide according to claim 2 wherein: 20 X1a is an amino terminal or a sequence of from 1 to 4 amino acids, each of which are selected from G, A, I, L, V, S, T, K or R; XArI is F or W;
- X24 is from two to four amino acids each of which are selected 25 from G, A, I, L, V, S, T, K, R, H or F; X^{Ar2} is W; and X34 is a carboxy terminal or a sequence of from one to four amino acids each of which are selected from G, A, I, L, V, S, T, K, R, H, F or Y.
 - A polypeptide according to claim 3 which is selected from the group:

WXXWXX (SEQ ID NO:8); where each X is independently any amino acid;

WXXWXF (SEQ ID NO:9):; where each X is independently any amino acid selected from G, A, I, L, V, S, T, K, R, H, or F;

- WXXWXFXXW (SEQ ID NO:10); where each X is independently any amino acid selected from G, A, I, L, V, S, T, K, R, H or F; WXXWHF (SEQ ID NO:11); where each X is independently any amino acid selected from G, A, I, L, V, S, T, or R; and WVRWHF (SEQ ID NO:2).
- 5. A polypeptide according to claim 1 comprising a sequence selected from the group: $X^{1b}X^{2b}FX^{4b}X^{5b}X^{6b}X^{7b}W \text{ (SEQ ID NO:12); where each } X^{1b-7b} \text{ is independently any amino acid;}$ $X^{1b}X^{2b}FX^{4b}X^{5b}X^{6b}X^{7b}W \text{ (SEQ ID NO:13); where each } X^{1b-7b} \text{ is}$
- independently any amino acid selected from G, A, I, L, V, S, T, K, R, H, F or Y;

 X^{1b}X^{2b}FRX^{5b}X^{6b}X^{7b}W (SEQ ID NO:14); where each X^{1b, 2b} and each of X^{5b-7b} is independently any amino acid selected from G, A, I, L, V, S, T, K, R, H, F or Y;
- 20 X^{1b}X^{2b}FRX^{5b}X^{6b}X^{7b}W (SEQ ID NO:15); where X^{1b} and X^{2b} are independently selected from the group G, A, I, L, V, S, and T, and each of X^{5b-7b} is independently selected from the group G, A, I, L, V, S, and T.
 - 6. A polypeptide selected from the group:
- PWLRFT (SEQ ID NO:1);

 WVRWHF (SEQ ID NO:2);

 WHFIFW (SEQ ID NO:3);

 IWLSGLSRGVWVSFP (SEQ ID NO:4); and
 GSRILTFRSGSWYAS (SEQ ID NO:5),
- or a fragment thereof capable of binding to an E2F DNA-binding site.
- A polypeptide which comprises a variant of a polypeptide according to claim 6, which variant comprises from one to four, preferably from one to three, more preferably one or two, amino acid variations, including substitutions, insertions and deletions.

- 8. A polypeptide according to any one of the preceding claims which inhibits the binding of an E2F protein to an E2F DNA binding site with an *in vitro* IC50 of less than $100\mu M$.
- 9. A polypeptide which comprises a first portion having the amino acid sequence of a polypeptide defined in any one of claims 1 to 8 and a second portion, attached to the N- or C-terminus of the first portion, which comprises a sequence of amino acids not naturally contiguous to the first portion, said second portion comprising a membrane translocation sequence.
- 10 10. A composition comprising a polypeptide according to any one of the preceding claims in association with a carrier or diluent.
- 11. A method of inhibiting the growth of a eukaryotic cell which comprises bringing the cell into contact with a polypeptide according to any one of claims 1 to 9, or a composition according to claim 10, under conditions to provide for apoptosis.
 - 12. A method according to claim 11 wherein apoptosis of the cell is induced by said polypeptide.
- 20 13. A polypeptide according to any one of claims 1 to 9 or a composition according to claim 10 for use in a method of treatment of the human or animal body.